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Couta Boat with 3.6kW electric inboard motor

The 5.8m Couta boat 'Odin' is currently under restoration at Horseshoe Cove Marine in Newport, NSW. The Couta boat originates in Sorrento, VIC where they were widely used as fishing boats in the late 19th century. This working craft's perfect compromise between seaworthiness, speed and capacity has made it today a quintessential recreational sailing boat. The carvel constructed hull and relatively shallow draft are ideally suited to electric propulsion.



'Odin' before restoration



Electric motor and drive shaft

Odin's electric motor is a Mastervolt-Bellmann 3.6kW (10HP) drive system, imported from Holland. The DC permanent magnet electric motor delivers high torque, is low-maintenance and exceptionally quiet. The digital display gives all important information such as battery condition, remaining running time and the power consumption in kW.



36V DC electric inboard motor



The bilge and motor bay before installation of the electric motor



After a clean & polish the existing propeller can be retained with the new electric motor and will rev at 1600 RPM

The electric motor will be powered by 3 x 12V AGM 150Ah batteries. An onboard 3-stage charger will provide automatic charging. A top speed of 5.5 knots is expected with 2 hours of motoring on a single charge at a cruising speed of 4 knots. Optional solar panels can be added to keep the batteries topped up when on a mooring.



'Odin' under restoration at Horseshoe Cove Marine



For more information on electric propulsion visit:

www.ecoboats.com.au

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